

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a mobile computing device, a method for filtering messages received by an inbox program to route selected messages to applications rather than directly to a message inbox, the method comprising:

receiving a message at an inbox program that is configured to present message data to users, the inbox program including a message storing component, the inbox program being installed on the mobile computing device;

upon detecting that the message should be sent to a ~~plurality of set of at least one~~ rule clients, flagging the message at the inbox program, indicating that the message should be sent to the ~~plurality of set of at least one~~ rule clients that ~~have~~has registered to receive messages that have been flagged, wherein the plurality of rule clients includes at least one rule client that requests read only access to received messages and at least one rule client that requests write access to received messages, and wherein the ~~plurality of at least one~~ rule clients registers by registering a dynamic-link library in a system registry as a component object model object such that ~~the each~~ rule client is loaded when the inbox program receives the message, ~~each~~the rule client being loaded in the inbox program's process space;

calling a create message function and passing the flagged message to the message storing component;

upon the message storing component detecting the flag, the message storing component calling a first rule client of the ~~set of at least one~~plurality of rule clients and providing a copy of the message to the first rule client rather than storing the message in the message inbox, wherein the first rule client is registered to receive read only access to the message;

the first rule client processing the copy of the message such that the first rule client extracts information from the copy of the message and passes the information to an application program that is distinct from the inbox program;

upon detecting that the first rule client is finished processing the copy of the message,
discarding the copy of the message;

after the first rule client has processed the copy of the message, providing the message
to a second rule client that is registered to receive write access to the message; and

receiving data from the first-second rule client, the data indicating whether the inbox
program may provide the message to the next rule client in the set-of-at-least-oneplurality of
rule clients or discard the message.

2. (Original) The method of claim 1 wherein receiving a message comprises receiving a
message in an SMS format.

3. (Original) The method of claim 1 wherein receiving a message comprises receiving a
message formatted according to a protocol, the protocol belonging to a set containing IMAP4, POP3,
ActiveSync, Instant Messaging and MMS.

4. (Currently Amended) The method of claim 1 wherein calling the first rule client and
providing the copy of the message comprises calling the first rule client on a defined interface.

5. (Currently Amended) The method of claim 1 further comprising, upon determining that the
data received from the second rule client indicates that the message should be discarded, the inbox
program deleting the message.

6. (Currently Amended) The method of claim 1 further comprising, upon determining that the
data received from the second rule client indicates that the message may be provided to the next rule
client, determining whether there is a next rule client in the set-of-at-least-oneplurality of rule clients,
and if so providing the message to the next rule client.

7. (Currently Amended) The method of claim 6 further comprising, upon determining that there is no next rule client in the ~~set of at least one~~plurality of rule clients, storing the message for display in a user interface corresponding to the inbox program.

8. (Currently Amended) The method of claim 6 wherein the data received from the second rule client indicating that the inbox program may provide the message to the next rule client comprises information indicating that the second~~first~~ rule client was not interested in processing the message.

9. (Currently Amended) The method of claim 6 wherein the data received from the second rule client indicating that the inbox program may provide the message to the next rule client comprises information indicating that the second~~first~~ rule client processed the message.

10-13. (Canceled)

14. (Currently Amended) ~~Memory~~A computer-readable storage medium having stored thereon computer-executable instructions which when executed perform the method of claim 1.

15-18. (Canceled)

19. (Currently Amended) The method of claim 1 further comprising, the second~~first~~ rule client modifying the message.

20-21. (Canceled)

22. (Currently Amended) The method of claim 1 wherein each of the rule clients of the set ~~of~~plurality of rule clients is ordered such that rule clients requesting read-only access to messages are called prior to rule clients requesting write access to the messages.

23. (Currently Amended) In a computing device, a system for filtering messages received by an inbox program to route selected messages to applications rather than directly to a message inbox, the system comprising:

a processor; and

memory storing instructions which when executed by the processor perform a method comprising:

receiving a message at an inbox program that is configured to present message data to users, the inbox program including a message storing component, the message being received over a Short Message Service (SMS) transport;

upon receiving the message, searching a system registry for rule clients that have registered to receive messages that are received over the SMS transport, wherein each rule client registers in the system registry by adding a name of a dynamic-link library (DLL) which defines the rule client to an entry corresponding to the SMS transport in the system registry;

upon detecting that a plurality of rule clients are registered to receive messages that are received over the SMS transport~~the message should be sent to a set of at least one rule client~~, flagging the message at the inbox program, indicating that the message should be sent to the plurality of set of at least one rule clients that has registered to receive messages that have been flagged, wherein the plurality of rule clients includes at least one rule client that requests read only access to received messages and at least one rule client that requests write access to received messages, wherein ~~the at least one rule client registers by registering a dynamic link library in a system registry as a component object model object such that the rule client is loaded when the inbox program receives the message, the rule client being loaded in the inbox program's process space;~~

calling a create message function and passing the flagged message to the message storing component;

upon the message storing component detecting the flag, the message storing component calling a first rule client of the ~~set of at least one~~plurality of rule clients and

providing a copy of the message to the first rule client rather than storing the message in the message inbox, wherein the first rule client is registered to receive read only access to the message;

the first rule client processing the copy of the message such that the first rule client extracts information from the copy of the message and passes the information to an application program that is distinct from the inbox program;

upon detecting that the first rule client is finished processing the copy of the message, discarding the copy of the message;

after the first rule client has processed the copy of the message, providing the message to a second rule client that is registered to receive write access to the message;

and

receiving data from the ~~first-second~~ rule client, the data indicating whether the inbox program may provide the message to the next rule client in the ~~set of at least one~~plurality of rule clients or discard the message.

24. (Canceled)

25. (Currently Amended) The system of claim 23 further comprising, upon receiving the data from the ~~first-second~~ rule client indicating that the inbox program may provide the message to the next rule client, the inbox program storing the message in a message inbox.

26. (Currently Amended) The system of claim 23 wherein the data returned from the first second rule client indicates that the ~~first-second~~ rule client was not interested in handling the message.

27-28. (Canceled)